



SEQUENCE LISTING

<110> ALBERTSEN, MARC C.
FOX, TIM
HUFFMAN, GARY
TRIMNELL, MARY

<120> NUCLEOTIDE SEQUENCES MEDIATING MALE FERTILITY AND
METHOD OF USING SAME

<130> 1148

<140> 09/670,153

<141> 2000-09-26

<160> 7

<170> PatentIn Ver. 2.1

<210> 1

<211> 1906

<212> DNA

<213> Zea mays

<220>

<221> CDS

<222> (1..1638, 1642..1767)

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Phe Phe Pro Leu Ala Gly Pro His Lys Tyr Ile Ala Leu Leu Val
20 25 30

gtc ctc tca tgg atc ctg gtc cag agg tgg agc ctg agg aag cag aaa 144
Val Leu Ser Trp Ile Leu Val Gln Arg Trp Ser Leu Arg Lys Gln Lys
35 40 45

ggc ccg aga tca tgg cca gtc atc ggc gca acg gtg gag cag ctg agg 192
Gly Pro Arg Ser Trp Pro Val Ile Gly Ala Thr Val Glu Gln Leu Arg
50 55 60

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agg aca gtg acc gtc gac atg ccg ttc act tcc tac acc tac atc gct 288
Arg Thr Val Thr Val Asp Met Pro Phe Thr Ser Tyr Thr Tyr Ile Ala
85 90 95

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Asp Pro Val Asn Val Glu His Val Leu Lys Thr Asn Phe Thr Asn Tyr
100 105 110

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Gly Pro Arg Ser Trp Pro Val Ile Gly Ala Thr Val Glu Gln Leu Arg
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Asn Tyr His Arg Met His Asp Trp Leu Val Gly Tyr Leu Ser Arg His
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Arg Thr Val Thr Val Asp Met Pro Phe Thr Ser Tyr Thr Tyr Ile Ala
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Asp Pro Val Asn Val Glu His Val Leu Lys Thr Asn Phe Thr Asn Tyr
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Pro Lys Gly Ile Val Tyr Arg Ser Tyr Met Asp Val Leu Leu Gly Asp
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Gly Ile Phe Asn Ala Asp Gly Glu Leu Trp Arg Lys Gln Arg Lys Thr
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Ala Ser Phe Glu Phe Ala Ser Lys Asn Leu Arg Asp Phe Ser Ala Ile
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 Asp Ile Leu Ser Arg Phe Ile Glu Leu Gly Glu Ala Gly Asp Asp Gly
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 Gly Gly Phe Gly Asp Asp Lys Ser Leu Arg Asp Val Val Leu Asn Phe
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 Val Ile Ala Gly Arg Asp Thr Thr Ala Thr Thr Leu Ser Trp Phe Thr
 325 330 335
 His Met Ala Met Ser His Pro Asp Val Ala Glu Lys Leu Arg Arg Glu
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 Val Leu Cys Gly Gly Ala Asp Ala Asp Asp Lys Ala Phe Ala Ala Arg
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 Val Ala Gln Phe Ala Gly Leu Leu Thr Tyr Asp Ser Leu Gly Lys Leu
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 Val Tyr Leu His Ala Cys Val Thr Glu Thr Leu Arg Leu Tyr Pro Ala
 405 410 415
 Val Pro Gln Asp Pro Lys Gly Ile Leu Glu Asp Asp Val Leu Pro Asp
 420 425 430
 Gly Thr Lys Val Arg Ala Gly Gly Met Val Thr Tyr Val Pro Tyr Ser
 435 440 445
 Met Gly Arg Met Glu Tyr Asn Trp Gly Pro Asp Ala Ala Ser Phe Arg
 450 455 460
 Pro Glu Arg Trp Ile Asn Glu Asp Gly Ala Phe Arg Asn Ala Ser Pro
 465 470 475 480
 Phe Lys Phe Thr Ala Phe Gln Ala Gly Pro Arg Ile Cys Leu Gly Lys
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Asp Ser Ala Tyr Leu G Met Lys Met Ala Leu Ala Ile Leu Phe Arg
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Phe Tyr Ser Phe Arg Leu Leu Glu Gly His Pro Val Gln Tyr Arg Met
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Met Thr Ile Leu Ser Met Ala His Gly Leu Lys Val Arg Val Ser Arg
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Ala Val Cys His Gly Asp Leu Asp Met Asp Ile Val Pro Leu Asn Pro
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Lys Arg Trp Val Ser Leu Val Ala Trp Leu Lys Pro
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<213> Sorghum sp.

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<223> "n" bases may be a, t, c, g, other or unknown

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<222> (1)..(158)

<223> "Xaa" may be any, other or unknown amino acid

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 Ser Lys Asn Leu Arg Asp Phe Ser Ala Asn Val Phe Arg Glu Tyr Ser
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 Val Asp Met Gln Glu Leu Tyr Met Arg Met Thr Leu Asp Ser Ile Cys
 100 105 110
 Xaa Val Gly Phe Gly Val Xaa Ile Gly Thr Leu Ser Pro Asp Leu Pro
 115 120 125
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